

NXR-700/800

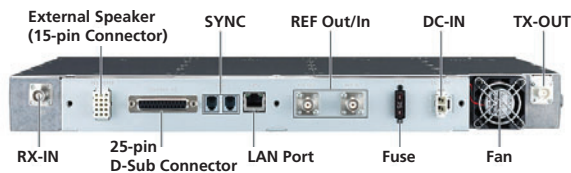
NEXEDGE™ VHF/UHF Digital & FM Base Units

NXDN™ **FleetSync®**

An Exceptional Blend
of Clarity and Reliability.
► Step Into The Digital Edge



Back Style



Front Detail



MAIN FEATURES

- 40 / 110 / 250 Watt VHF Systems
- 40 / 100 / 250 Watt UHF Systems
- Repeater Operation
- Duplex/Simplex Base Operation
- Two-Digit LED Display
- LED Status Indicators
- 3 W Front Panel Speaker
- Program/Modem Interface
- Programmable AUX I/O's
- 32-Site Trunked IP Network Capability
- DTMF Front Panel PF Key Control
- DTMF AUX Output Control
- DTMF AUX Input Monitoring
- Flash Firmware Upgrading
- NXDN™ Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- NXDN™ Scrambler (Included)
- KXK-3 OCXO Option (6.25 kHz operation)

DIGITAL - CONVENTIONAL MODE

- 16 RAN Repeater Controller Built-in
- 1,000 GIDs Per Site
- 1,000 UIDs Per Site
- Individual & Group Selective Call
- Mixed FM/Digital Operation

DIGITAL TRUNKING OPTION

- 3,000 GIDs Per Site
- 3,000 UIDs Per Site
- 30 Channels Per Site
- Transmission Trunked Mode
- Message Trunked Mode
- Busy Call Queuing Priority
- Call Queue Pre-emption
- Control Channel Rotation
- Fail Soft Mode
- ESN Validation

ACCESSORIES OPTIONS

<ul style="list-style-type: none"> ● KXK-3 OCXO Unit (Required for 6.25 kHz operation) 		<ul style="list-style-type: none"> ● KMC-35 Microphone 	
<ul style="list-style-type: none"> ● KMC-9C Desktop Microphone 		<ul style="list-style-type: none"> ● KES-5 External Speaker 	

All accessories and options may not be available in all markets. Contact an authorized Kenwood dealer for details and complete list of all accessories and options.

MAIN SPECIFICATIONS

		NXR-700	NXR-800
GENERAL			
Frequency Range	K K2 K3	146-174 MHz 136-154 MHz	450-480 MHz 480-512 MHz (RX) / 477-512 MHz (TX) 400-430 MHz
Channel Spacing	Analog Digital	12.5 / 15 / 25 / 30 kHz 6.25 / 12.5 kHz	12.5 / 25 kHz 6.25 / 12.5 kHz
PLL Channel Step		2.5 / 3.125 / 5 / 6.25 kHz	3.125 / 5 / 6.25 kHz
Frequency Stability	With KXK-3 (M) With KXK-3 (M2)		± 1.5 ppm ± 0.5 ppm ± 1.0 ppm
Operating Voltage			10.8 - 15.9 V DC
Operating Temperature Range			-30° C to +60° C (-22° F to + 140° F)
Antenna Impedance			50 Ω
Dimensions (W x H x D)	Projections not included	483 x 44 x 331 mm	
Weight (net)		5 kg	
RECEIVER			
Sensitivity	Digital @ 6.25kHz (3% BER) Digital @ 12.5kHz (3% BER) Analog (12 dB SINAD)		0.27 μV 0.33 μV 0.30 μV
Selectivity	Analog @ 25/30 kHz Analog @ 12.5 kHz	93 dB (± 30 kHz) 85 dB (± 12.5 kHz)	87 dB (± 25 kHz) 81 dB (± 12.5 kHz)
FM Hum & Noise	Analog @ 25/30 kHz Analog @ 12.5 kHz		60 dB 55 dB
Intermodulation Distortion			85 dB (± 50 / 100 kHz)
Spurious Response			100 dB
Audio Distortion (Ext. SP)			Less than 2% (at 0.3 W)
Audio Output (Ext. SP)			3 W (at 4Ω, less than 5% distortion)
TRANSMITTER			
RF Power Output			5 W to 0.5 W
Spurious & Harmonics			73 dB
FM Hum & Noise	Analog @ 25/30 kHz Analog @ 12.5 kHz		55 dB 50 dB
Audio Distortion			Less than 1% at 1000 Hz
Modulation			16K0F3E, 11K0F3E, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D

Analog measurements made per TIA/EIA 603 and specifications shown are typical. Kenwood reserves the right to change specifications without prior notice or obligation.

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Listen to the Future

Kenwood has always connected with people through sound. Now we want to expand the world of sound in ways that only Kenwood can, listening to our customers and to the pulse of the coming age as we head toward a future of shared discovery, inspiration and enjoyment.

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